



IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Bogdan Szafraniec et al.

Serial No.: 09/938,100

Examiner:

Filing Date: August 22, 2001

Group Art Unit: 2877

Title: INTERFEROMETRIC OPTICAL COMPONENT ANALYZER BASED ON ORTHOGONAL FILTERS

COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ( ) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- (X) under 37 CFR 1.97(c) together with either a:
  - (X) Statement under 37 CFR 1.97(e), or
  - ( ) a \$180.00 Processing fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ( ) under 37 CFR 1.97 (d) together with a:
  - ( ) Statement under 37 CFR 1.97(e), and
  - ( ) a \$180.00 processing fee under 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

( ) Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (\*) were disclosed in Patent Application No. \_\_\_\_\_ filed \_\_\_\_\_, now U. S. Patent No. \_\_\_\_\_, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: **March 15, 2004**

Typed Name: **Linda A. Iimura**

Signature: Linda A. Iimura

Respectfully submitted,

**Bogdan Szafraniec et al.**

By

**Juergen Krause-Polstorff**

Attorney/Agent for Applicant(s)

Reg. No. **41,127**

Date: **March 15, 2004**



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STATEMENT UNDER 37 CFR 1.97(e)

Sir:

The undersigned hereby certifies that either:

- (X) Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or
- ( ) No item of information contained in the Information Disclosure Statement
  - was cited in a communication from a foreign patent office in a counterpart foreign application, and
  - to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Bogdan Szafraniec

By

  
Juergen Krause-Polstorff

Attorney/Agent for Applicant(s)

Reg. No. 41,127

Date: March 15, 2004

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FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10010292-1

SERIAL NO.

09/938,100

APPLICANT

Bogdan Szafraniec

FILING DATE

August 22, 2001

GROUP

2877

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
		5,502,562	March 26, 1996	Peter Werle

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	Glombitza, U. et al. "Coherent Frequency-Domain Reflectometry for Characterization of Single-Mode Integrated-Optical Waveguides", Journal of Lightwave Technology, Vol. 11, No. 8, August 1993, pp. 1377-1384.
	Dyer, S. D. et al., "Low-Coherence Interferometric Measurements of Fibre Bragg Grating Dispersion", Electronics Letters, August 19, 1999, Vol. 35, No. 17, pp. 1485-1486.

EXAMINER

DATE CONSIDERED

\* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)



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Eing.: 01. März 2004

Frist:

Datum/Date

27.02.04

Zeichen/Ref./Réf.

FB11434

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

02016433.1-1236-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

Agilent Technologies, Inc.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 502 562 A (WERLE PETER) 26 March 1996 (1996-03-26) * claims 1-9; figure 2 *	1-29	G01M11/00
A	DYER S D ET AL: "Low-coherence interferometric measurements of fibre Bragg grating dispersion", ELECTRONICS LETTERS, IEE STEVENAGE, GB, VOL. 35, NR. 17, PAGE(S) 1485-1486 XP006012567 ISSN: 0013-5194 * the whole document *	1-29	
A	GLOMBITZA U ET AL: "COHERENT FREQUENCY-DOMAIN REFLECTOMETRY FOR CHARACTERIZATION OF SINGLE-MODE INTEGRATED-OPTICAL WAVEGUIDES", JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, VOL. 11, NR. 8, PAGE(S) 1377-1384 XP000415389 ISSN: 0733-8724 * the whole document *	1-29	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G01M G01J G01B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20 January 2004	Examiner Debesset, S
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document			
T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			

EP 02 01 6433

20-01-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5502562 A	26-03-1996	DE 4333423 A1 EP 0646766 A2	06-04-1995 05-04-1995